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**Facsimile Transmission**

January 14, 2002

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Pages (including this page): 41

Our Ref.: 8907-057-999

Recipient: Examiner DeCloux

Facsimile Number: (703) 746-4982

Company: United States Patent and Trademark  
Office

Your Ref.: 08/852,495

Confirmation copy will not follow.

Re: U.S. Patent Application No. 08/852,495  
Filed: May 7, 1997  
For: POLYMORPHISMS IN THE REGION OF THE  
HUMAN HEMOCHROMATOSIS GENE  
Our Ref. No.: 8907-057-999

**Message**

Dear Examiner DeCloux:

Thank you for your telephone call informing us that you did not receive the Response that we filed on October 24, 2001 in connection with the above-referenced matter. Attached herewith is a photocopy of the Response as it was filed, including Exhibits, the Fee Calculation Sheet, the Petition to Extend Time and the return postcard. Also attached is a copy of our Express Mail Log for October 24, 2001, which lists the enclosed Response, and a copy of our Express Mail Receipt for October 24, 2001. If you require additional information please do not hesitate to contact me.

Sincerely,

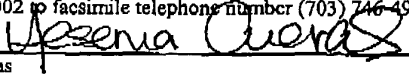
  
Nathan A. Machin

**Enclosures**

cc: Brian M. Poissant, Esq. (w/o encl.)  
Nikolaos C. George, Esq. (w/o encl.)

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that this paper is being filed with the United States Patent and Trademark Office by facsimile transmission on January 14, 2002 to facsimile telephone number (703) 746-4982.

  
Yesenia Cuevas

If you have any problems regarding this transmission, please contact Nathan A. Machin at (650) 849-7718

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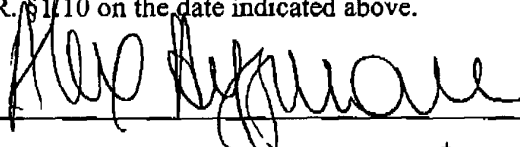
**PATENTS ONLY**DATE: October 24, 2001THE EXPRESS MAIL NUMBER OF THE-DAY IS EL 452 481 555 US

THE PERSON TAKING EXPRESS MAIL  
TO THE POST OFFICE IS: ALEX AYZMAN  
**EXPRESS MAIL CERTIFICATION**

**EL 452481555US**

Date of Deposit October 24, 2001 I hereby certify that the below-listed papers or fees were inserted into a package that was addressed to the Assistant Commissioner For Patents, Washington, D.C. 20231 and was deposited by me with the United States Postal Service "Express Mail Post Office Addressee" service under 37 C.F.R. § 1.10 on the date indicated above.

Signature



Date\

GSW/WHL/ab ✓	10/31/01	9797-0013-999 ✓	Issue Fee Transmittal (dupl); Submission of Formal Drawings (dupl); 15 sheets of Formal Drawings for Figs 1-21; postcard	
BMP/NNM/yc ✓	10/25/01	8907-057-999 ✓	Amendment Fee Transmittal (dupl); Petition to Extend Time (3mo) (dupl); Amendment, response to OA (dupl pg 14); Exhibit A; Exhibit B; return postcard	
SBA/RRB/ray ✓	10/25/01	9555-015-999 ✓	Fee Transmittal Sheet (dupl); Petition for Extension of Time (dupl); Amendment and Response Under 37 CFR 1.111; Appendix A; Appendix B; Certificate of Limited Recognition Under 37 CFR 10.9(b); return postcard	
GSW/WHL/ab ✓	10/25/01	9840-0061-999 ✓	Application (12 pages); 1 sheet of Drawing; Fee Sheet (dupl); Declaration (unexecuted); Utility Transmittal Sheet; postcard	
VNB/JZM/bem ✓	11/23/01	8317-082-999 ✓	Issue fee transmittal (dupl); post card	
JXG/RRP/tjm ✓	10/25/01	1803-311-999 ✓	Application (39 pgs.); Declaration (unexecuted); Utility Patent Application Transmittal; Fee Sheet (in dupl.); return postcard	
GSW/WHL/ab ✓	10/30/01	9840-0049-999 ✓	Issue Fee Transmittal (dupl); postcard	

**FILE COPY**

Express Mail No. EL 452 481 555 US First Class Mail ( )  
 Date Mailed October 24, 2001  
 Ser. No. 08/852,495 Filed May 7, 1997  
 Inventor Ruddy et al.  
 For POLYMORPHISMS IN THE REGION OF THE HUMAN HEMOCHROMATOSIS  
GENE

( ) Affidavit/Declaration	( ) Fee Address Indication Form
(X) Amendment response to OA (dupl pg 14)	(X) Fee Calculation for Amendment (dupl)
( ) Application Pages	( ) Issue Fee Transmittal
( ) Claims Drawings	( ) Letter
( ) Appeal, Notice of	( ) Oral Hearing Req./Confirm.
( ) Assignment	(X) Petition to Extend Time (3mo) (dupl)
( ) Brief (in triplicate)	( ) Pet. under 37 C.F.R.
( ) Declaration & Power of Attorney	( ) Power of Attorney
( ) Design Application	Associate w/Revocation
( ) Disclaimer	( ) Sequence Listing w/Computer
( ) Disclosure Statement	Readable and Paper Copies
( ) w/refs. ( ) w/o refs.	( ) Small Entity Statement
( ) Drawings Formal	( ) Status Letter
Sheets Figures	( ) Transmittal Letter

Other: Exhibit A; Exhibit B; return postcard

File No. 8907-057-999 Sender: BMP/NNM/vc

Express Mail No.: EL 452 481 555 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruddy *et al.*

Serial No.: 08/852,495

Group Art Unit: 1644

Filed: May 7, 1997

Examiner: Vander Vegt, F.

For: POLYMORPHISMS IN THE REGION OF  
THE HUMAN HEMOCHROMATOSIS  
GENE

Attorney Docket No.:  
8907-057-999

RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.114

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants have considered the Office Action dated April 25, 2001, and request reconsideration of the claims in view of the following amendments and remarks. Applicants submit concurrently herewith (1) an Exhibit A, presenting marked-up copies of the amended claims, (2) an Exhibit B, presenting the claims as pending after entry of the instant amendment, (3) an Amendment Fee Transmittal Sheet, and (4) a Petition for Extension of Time Under 37 CFR § 1.136(a) extending the period for response by three months, up to and including October 25, 2001, accompanied by the appropriate fee.

AMENDMENTS

IN THE CLAIMS

Please amend Claims 29 and 33, without prejudice, as follows:

29. (Three Times Amended) An isolated polynucleotide for determining whether a subject has an increased likelihood of having the disease-associated allele 24d1 of the Hereditary Hemochromatosis gene comprising at least 8 consecutive bases and up to about 100 consecutive bases of the sequence shown in SEQ ID NOS:1 or 2, or the complement

01/17/2002 GDUCKETT 00000001 161150 08852495

01 FC:102 336.00 CH  
02 FC:103 360.00 CH